Please amend the claims as follows:

1 (Currently Amended). An image processing apparatus, comprising:

a determining unit configured to determine image characteristics of areas in an image data corresponding to an image, said determining unit includes an edge separation unit configured to detect a character edge from the image data, a halftone detecting unit configured to determine whether a target pixel is halftone or non-halftone, and a color determining unit configured to determine whether the target pixel is chromatic or achromatic, and said determining unit is configured to generate area data corresponding to each of the areas based at least in part on the character edge detected by the edge separation unit;

a memory configured to store the image data and the area data in a correlated manner; an image processing unit including a gamma correction unit, a color correction unit, and a gradation processing unit, wherein

said gamma correction unit is configured to effect a gamma correction, using an Sshaped gamma curve line, on specific image data stored in the memory when the specific image data is determined to be a character area as a result of edge-detecting,

said gamma correction unit is configured to effect the gamma correction, using a linear gamma line, on the specific image data stored in the memory when the specific image data is determined to be a non-edge area as a result of edge-detecting;

said color correction unit is configured to convert a pixel of the specific image data from CMYK image data to RGB image data in such a way that chroma is heightened when the pixel of the specific image data is determined to be a color character, and that respective values of R, G, and B are equal to each other when the pixel of the specific image data is determined to be a black character, and

said image gradation processing unit is configured to effect a simple binarization

process where a binarizing threshold value is set low on the pixel of the specific image data

when the pixel of the specific image data is determined to be a character area as a result of

edge detecting;

said image gradation processing unit is configured to effect a multi-dither process on

the pixel of the specific image data when the pixel of the specific image data is determined to

be in a picture area as a result of edge detecting;

an image format conversion unit configured to convert a file format of the RGB image

data processed by the image processing unit into a general-purpose image file format; and

a transmission unit configured to send the image data in the general-purpose image

file format to an external device.

2 (Previously Presented). The image processing apparatus according to claim 1,

wherein the image characteristics include one or more of character, photograph, color, and

presence of halftone.

3 (Previously Presented). The image processing apparatus according to claim 2,

wherein the image characteristic is any one or more of the character and the photograph.

4 (Canceled).

5 (Canceled).

6 (Previously Presented). The image processing apparatus according to claim 1,

further comprising an image formation unit configured to form an image on a recording

medium based on the image data stored in the memory.

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7 (Currently Amended). An image processing apparatus, comprising:

an acquiring unit configured to acquire an image data corresponding to an image;

a determining unit configured to determine image characteristics in the image data,

said determining unit including an edge separation unit configured to detect a character edge

from the image data, a halftone detecting unit configured to determine whether a target pixel

is halftone or non-halftone, and a color determining unit configured to determine whether the

target pixel is chromatic or achromatic, and said determining unit is configured to generate

area data corresponding to each of the areas based at least in part on the character edge

detected by the edge separation unit;

a memory configured to store the image data and the area data in a correlated manner;

an image processing unit including a gamma correction unit, a color correction unit,

and a gradation processing unit;

said gamma correction unit configured to effect a gamma correction, using an S-

shaped gamma curve line, on specific image data stored in the memory when the specific

image data is determined to be a character area as a result of edge detecting:

said gamma correction unit is configured to effect the gamma correction, using a

linear gamma line, on the specific image data stored in the memory when the specific image

data is determined to be a non-edge area as a result of edge detecting;

said color correction unit configured to convert a pixel of the specific image data from

CMYK image data to RGB image data in such a way that chroma is heightened when the

pixel of the specific image data is determined to be a color character, and that respective

values of R, G, and B are equal to each other when the pixel of the specific image data is

determined to be a black character;

said image gradation processing unit configured to effect a simple binarization

process where a binarizing threshold value is set low on a pixel of the specific image data

when the pixel of the specific image data is determined to be a character area as a result of

edge detecting and to effect a multi-dither process on the pixel of the specific image data

when the pixel of the specific image data is determined to be in a picture area as a result of

edge detecting;

an image conversion unit configured to convert a file format of the image data

processed by the image processing unit into a general-purpose format image file format; and

a transmission unit configured to send the image data in the general-purpose image

file format to an external display device.

8 (Previously Presented). The image processing apparatus according to claim 7,

further comprising a filtering unit configured to subject the image data corresponding to the

image characteristics to filter processing.

9 (Previously Presented). The image processing apparatus according to claim 7,

wherein the image data acquired by the acquiring unit includes Red, Green, and Blue color

components, the image area separation unit is configured to separate an image area

corresponding to black characters from the image data, and the image processing unit is

configured to adjust the Red, Green, and Blue color components forming the image data in

the separated image area of the black characters so that the components have the same value.

10 (Previously Presented). The image processing apparatus according to claim 7,

wherein the image characteristic is a character.

11 (Previously Presented). The image processing apparatus according to claim 7,

wherein the image data acquired by the acquiring unit includes Red, Green, and Blue color

components, the image area separation unit is configured to separate the image area

corresponding to a white background from the image data, and the image processing unit is

configured to adjust the Red, Green, and Blue color components forming the image data on

the separated white background image area so that the components have the same value.

12 (Canceled).

13 (Previously Presented). An image processing method, comprising:

determining image characteristics of areas in an image data corresponding to an

image;

detecting a character edge from the image data;

determining whether a target pixel is halftone or non-halftone;

determining whether the target pixel is chromatic or achromatic;

generating area data corresponding to each of the areas based at least in part on the

character edge detected by the edge separation unit;

storing the image data and the area data in a correlated manner;

effecting a gamma correction, using an S-shaped gamma curve line, on specific image

data stored in the memory when the specific image data is determined to be a character area

as a result of edge detecting;

effecting the gamma correction, using a linear gamma line, on the specific image data

stored in the memory when the specific image data is determined to be a non-edge area as a

result of edge detecting;

converting a pixel of the specific image data from CMYK image data to RGB image

data in such a way that chroma is heightened when the pixel of the specific image data is

determined to be a color character and that respective values of R, G, and B are equal to each

other when the pixel of the specific image data is determined to be a black character;

effecting a simple binarization process where a binarizing threshold value is set low a

on the pixel of the specific image data when the pixel of the specific image data is determined

to be a character as a result of edge detecting;

effecting a multi-dither process on the pixel of the specific image data when the pixel

of the specific image data is determined to be in a picture area as a result of edge detecting;

converting a file format of the RGB image data processed by the image processing

unit into a general-purpose image file format; and

sending the image data in the general-purpose image file format to an external device.

14 (Previously Presented). The image processing apparatus of claim 1, wherein the

edge separation unit comprises:

a continuous pixel detecting unit configured to detect target pixels in the image data

that match with any one of a plurality of stored pixel patterns of continuously colored pixels.

15 (Previously Presented). The image processing apparatus of claim 7, wherein the

edge separation unit comprises:

a continuous pixel detecting unit configured to detect target pixels in the image data

that match with any one of a plurality of stored pixel patterns of continuously colored pixels.

16 (Previously Presented). The image processing method of claim 1, wherein the

detecting comprises:

detecting target pixels in the image data that match with any one of a plurality of

stored pixel patterns of continuously colored pixels.